

Abstract

This invention discloses a data acquisition method of non-real time transmitting seismic data acquisition system applied in mountainous area, the format of original record file names is 8 digits file name representing absolute time together with 3 digits extension names representing equipment's serial number. The detonating units generate SPS format spreadsheets according to the above file name generation method. SPS format spreadsheets of several detonating units are combined on the basis of the SPS fotormat spreadsheets generated by every detonating unit and then put in a data retrieve unit. The effective file names, which are recorded in the SPS format spreadsheets while detonating units are operating, are based on the former 8 digits. The acquisition unit and the data retrieve unit are connected by network lines, and a data retrieving program will run by the data retrieve unit. This method is exclusive and feasible to manage and search the seismic data. The method solves the technically difficult problems of the data management for original record files and difficulties of retrieving data as result of non-real time transmitting

characteristics of the system.